



Attachment A: Key to Land Use Codes and Description of Risk for Source Water Hazard Inventory Sites

| Land Use | Code | K/P/N* | Potential Risks |
|--|------------|----------------|---|
| Farms with ≥ 10 animal units outdoors or with outdoor manure storage for that number of animals | ANIMAL | P | A potentially significant source of pathogens and nutrients. Cryptosporidium is particularly problematic. Subject to NH Department of Agriculture regulations, enforced on a complaint basis.* Note - many farms are not in GIS. |
| Aboveground storage tank facilities | AST | P | Contain toxic chemicals or oil products capable of contaminating surface or groundwater if released. Releases may occur when transferring product, through accidental damage, or due to lack of maintenance. Regulated by DES. |
| Superfund Site | CERCLA | K | Is known to contain toxic chemicals or oil products that have contaminated water bodies or groundwater. Clean-up regulated by DES and EPA. |
| Cemeteries | CEMETERY | P | Use of herbicides is a concern; herbicide use by commercial applicators is regulated by the Department of Agriculture and not by DES. |
| Complaints | COMPLAINTS | P | Site was referred to the Drinking Water Protection Bureau as a complaint and has not been reassigned to another project type. |
| Ether | ETHER | K | Ether contamination from unknown source. |
| Leaking bulk storage facilities containing fuel oil | FUEL | K | Is known to have leaked fuel oil (VOCs). Clean up regulated by DES. |
| Sites which have groundwater release detection permits and no other defined project type | GW RELDET | P | Groundwater Release Detection Permits issued by DES and monitoring conducted by operator to detect any releases to groundwater that may occur, e.g., lined lagoons, and lined landfills. |
| Water sample | H2O SAMPLE | N | Isolated groundwater sample with contaminant detection. Site has not been tied to a known contaminant source. |
| Hazardous waste project | HAZWASTE | K | Contain toxic chemicals or oil products that have at some point contaminated or increased contaminant levels in groundwater. Clean-up regulated by DES. |
| Non-hazardous, non-sanitary holding tank registration | HOLD TANK | P | Registered with DES. If used improperly, could contain toxic chemicals or oil products capable of contaminating surface or groundwater if released. |
| Initial response spill | IRSPILL | N | Initial response spill. |
| Junkyards | JUNKYARD | P | May contain toxic chemicals or oil products that could contaminate water bodies or groundwater, for example, from improper disposal of fluids from automobile or chemical tanks. Not regulated by DES. |
| Lined landfills | LAND/LN | P | May contain toxic chemicals or oil products that could contaminate water bodies or groundwater if a leak occurs. Monitored by a release detection permit. |
| Proposed landfill | LAND/PRP | P | Proposed landfill. |
| Unlined landfill | LAND/UNLN | K, P if closed | Existing landfill or landfill closure. |
| Leaking above ground bulk storage facilities containing motor fuel | LAST | K | Is known to have leaked petroleum products (VOCs). Cleanup regulated by DES. |
| Leaking underground storage tank projects | LUST | K | Is known to have leaked petroleum products (VOCs). Cleanup regulated by DES. |
| Lined wastewater lagoon | LWW/LAG | P | May contribute nitrates, microbiological and other pollutants to groundwater or surface water if a leak occurs. Monitored by a release detection permit. |
| Leaking motor oil storage tank | MOST | K | Is known to have leaked motor fuel (VOCs). Cleanup regulated by DES. |
| Old dump sites (non-landfill) | OLD | P | Generally benign, potentially could contain toxic chemicals or oil products that could contaminate water bodies or groundwater in the future. |
| Leaking residential or commercial heating tanks | OPUF | K | Is known to have leaked motor fuel (VOCs). Cleanup regulated by DES. |
| Potential contamination source | PCS | P | Catch-all category to include all land uses that typically use large quantities of regulated substances such as automotive repair, manufacturing facilities, etc. Many activities at these facilities may be regulated. Some facilities may have UIC wells (i.e. discharges to groundwater of non-domestic wastewater). Land uses listed under local inventory section on report. |

| Land Use | Code | K/P* | Potential Risks |
|---|--------------|------|--|
| Routine pesticide application areas | PESTICIDES | P | May contribute SOCs, nitrates and microbiological pollution sources to groundwater or surface water. Pesticide applicators are regulated by the Department of Agriculture. Not regulated by DES. |
| Rapid infiltration basins | RAPID INF | P | May contribute nitrates and microbiological pollution sources to groundwater or surface water. Monitored by DES under a groundwater discharge permit. |
| Resource Conservation & Recovery Act - registered hazardous waste handlers | RCRA | P | Facilities that generate hazardous wastes that could cause contamination if a release occurs. Regulated by DES. |
| Remediation recharge-treated or remediated | REMED/RCHG | P | Generally benign activity occurring at a contamination site during cleanup. Could contain toxic chemicals or oil products that could contaminate water bodies or groundwater. Regulated by DES. |
| Bulk uncovered storage of salt | SALT STORAGE | P | Storage pile of salt for winter deicing. Salt travels readily in surface water and groundwater. Sometimes a problem in wells although health effects on humans at drinking water levels not well established. Usually more harmful to aquatic life. |
| Septage lagoons | SEPT/LAG | P | May contribute nitrates and microbiological pollution sources to groundwater or surface water. Regulated by DES with monitoring under a groundwater monitoring permit. |
| Subsurface wastewater disposal systems greater than 20,000 gallons per day | SEPTIC | P | May contribute nitrates and microbiological pollution sources to groundwater or surface water. Design and installation are regulated and monitored by DES. |
| Sewer distribution lines | SEWERED | P | May break where faults or subsidence occurs or where system is in poor condition or old. Areas not sewerred but developed have individual septic systems. |
| Unsolicited site assessment was done by others in response to contamination | SITEEVAL | K | Generally benign. If it contains VOCs, IOCs or SOCs it becomes a HAZWASTE or LUST site. |
| Sludge lagoons | SLUD/LAG | P | May contribute nitrates, microbiological, or other pollutants to groundwater or surface water. Regulated by DES. Requires monitoring under a groundwater monitoring permit. |
| Sludge application sites | SLUDGAP | P | Regulated by DES to ensure quality. Applied at agronomic rates for beneficial reuse. <i>Note - many of these are not in GIS.</i> |
| Sludge piles | SLUDG PILE | P | Regulated by DES, unless temporary, requires a groundwater permit. <i>Note - many of these are not in GIS.</i> |
| Special projects | SPECIAL | P | Various special projects. |
| Spill or release of petroleum | SPILL/RLS | K | VOCs. Impact depends on the size and nature of the spill. For example, gasoline spills are more hazardous than fuel oil spills. Hazard also depends on the quantity and the location of the spill in relation to wells or surface water bodies. Clean-up regulated by DES. |
| Spray irrigation projects | SPRAYIRR | P | May contribute nitrates and microbiological pollution sources and/or pesticides to groundwater or surface water. Monitored by DES under a groundwater discharge permit. |
| Concentrated discharge of storm water | STORM WATER | P | May contribute unregulated contaminants, VOCs, IOCs and SOCs and microbiologicals. Treatment at large sites required by DES. Monitoring at certain sites required by EPA. |
| Stump dump | STUMP/DEMO | N | Municipal or commercial stump or demo dump. |
| Solid waste transfer stations with groundwater permits | TRANS.STA | P | Generally not a threat to groundwater. Could release VOCs, IOCs and SOCs if improperly managed. |
| Underground injection control - discharge of benign wastewaters not requiring a groundwater discharge permit or request to cease a discharge (i.e., floor drain closure requests) | UIC | P | Generally benign. If improper discharges occur it could contain contaminants such as VOCs and IOCs. In such cases it would become a hazardous waste site. UICs registered by DES. |
| Underground storage tank facilities | UST | P | May contribute VOCs if leaking or if small quantities are released repeatedly during transfers. Regulated by DES. |
| Unlined wastewater lagoons | UWWW/LAG | P | May contribute nitrates, microbiologicals, or other pollutants to groundwater or surface water. Regulated by DES under a groundwater discharge permit. |
| DES: Department of Environmental Services | | | |
| K or P: Known or Potential Sources of Contamination | | | |
| N: If groundwater has been impacted, these projects are classified to another project type. | | | |
| VOC: Volatile Organic Compound (such as gasoline, solvents, etc) | | | |
| SOC: Synthetic Organic Compound (mostly pesticides) | | | |
| IOC: Inorganic Compounds (mostly metals) | | | |
| EPA: Environmental Protection Agency | | | |
| GIS: Geographic Information System (if a site is not in GIS, it will not be shown on the map.) | | | |

Key To Local Potential Contamination Source Inventory

| Land Use | Code | Description |
|---|---------|--|
| Vehicle Service & Repair Shop | VSR | Auto, truck & equipment service or repair shops; autobody shops, including those associated with fleet maintenance; and mobile home dealers. |
| General Service & Repair Shop | GSR | Furniture stripping, painting, & refinishing; photographic processing; printing; appliance & small engine repair; boat repair; refrigeration, heating, ventilating & air conditioning shops; and electrical repair shops. |
| Metalworking Shop | MW | Machine shops; metal plating, heat treating, smelting & jewelry making shops. |
| Manufacturing Facility | MAN | Electronic & chemical manufacturing, processing & reclamation; paper, leather, plastic, fiberglass, rubber, silicon & glass making; pharmaceutical production; pesticide manufacturing; and chemical preservation of wood and wood products. |
| Waste & Scrap Processing & Storage | WSPS | Junkyards, scrap yards & auto salvage yards; wastewater (ww) treatment plants; dumps, landfills, transfer stations & other solid waste facilities; ww or septage lagoons. |
| Laboratories & Professional Services | LAB | Medical, dental, veterinary offices & pet grooming; research, development, testing & analytical labs; and funeral services. |
| Cleaning Services | CLN | Dry cleaners; laundromats; beauty salons; and car washes. |
| Food Processing Plants | FP | Meat packing & slaughterhouses; dairies; and processed food manufacture. |
| Fueling Maintenance of Excavation & Earthmoving Equipment | EEE | Active gravel pits; construction businesses with earthmoving or excavating equipment stored and maintained on site. |
| Concrete, Asphalt, & Tar Manufacture | CAT | Concrete and asphalt plants. |
| Car Dealerships | CARD | Car dealerships (with or without service departments). |
| Construction Sites | CONS | Construction sites (not including housing developments). |
| Aboveground and Underground Storage Tank facilities | AST/UST | Gas stations; petroleum bulk storage; chemical storage; and on-site heating fuel. |
| Salt storage & use | SALT | For winter road & parking lot use. |

Key To Point/Non-point Sources

| Land Use | Code |
|--|------|
| Combined sewer outfall | CO |
| Septage/sludge composting facility | CS |
| Mine, hardrock quarry | MQ |
| Mine, sand and gravel | MS |
| No type indicated | NT |
| Sand/salt storage pile, covered | SC |
| Storm drain | SD |
| Septage/sludge lagoon | SL |
| Snow dump | SN |
| Septage/sludge landspreading | SS |
| Sand/salt storage pile, uncovered | SU |
| Covered/uncovered sand/salt storage pile | SX |

Key To Registered Water Users

| Type Of Use | Code |
|-----------------------|------|
| Agriculture | AG |
| Aquaculture | AQ |
| Commercial | CO |
| Domestic | DO |
| Industrial | IN |
| Irrigation | IR |
| Institutional | IT |
| Mining | MI |
| Power, Biomass | PB |
| Power, Fossil Fuel | PF |
| Power, Geothermal | PG |
| Power, Hydroelectric | PH |
| Power, Nuclear energy | PN |
| Snow making | SM |
| Sewage treatment | ST |
| Water Supplies | WS |

Found online at <http://www.des.state.nh.us/dwspp/pdf/AttachAKeys.pdf>

Attachment B: Description of Public Water Supply Sources and Facilities Report Fields and Values

| Field | Description | Values |
|-------------|--------------------------------------|--|
| PWSID | Public Water Supply Source ID number | Of the format <system_ID>-<source_ID> |
| SYS. TYPE | System type | C = Community public water systems which serve at least 15 service connections used by year-round residents or regularly serve at least 25 year-round residents; P = Non-transient, Non-community systems which are not community systems and which serve the same 25 people or more over 6 months per year; N = Transient public water systems serving 25 people or more per day for 60 days or more per year, but not the same people every day (examples include restaurants and hotels with fewer than 25 employees). |
| SYS. ACT. | System activity status | A = active system I = inactive system |
| SRC. TYPE | Source type | S = surface water G = groundwater E = entity/treatment facility |
| SRC. ACT. | Source activity status | A = active source I = inactive source |
| SRC. REC. | Record source code and Water type | EA = Surface, non-purchased EB = Surface, non-purchased, emergency EC = Groundwater, non-purchased ED = Groundwater, non-purchased, emergency PH = Well head PI = Intake PM = Pumping facility PO = Other plant of facility PR = Storage Facility PT = Treatment Plant SG = Groundwater, non-purchased SP = Surface, purchased SS = Surface, non-purchased SW = Groundwater, purchased SY = Groundwater, under direct influence SZ = Groundwater, under direct influence, purchased |
| WELL TYPE | Well type | ART = Artesian well GRW = Gravel well BRW = Bedrock well INF = Infiltration well DUG = Dug well PTW = point well GPW = Gravel packed well SPR = Spring |
| WELL DEPTH | Well depth | Depths are in feet |
| POP. SERVED | Population served by system | Numerous |